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## Applicants

Dong et al.

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Group

1641

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

L/C	A1	Bercegeay, S. et al.
		Composition of Human Zona Pellucida as Revealed by SDS-PAGE After Silver Staining. Molecular Reproduction and Development 41:355-359 (1995)
	A2	Bleil, Jeffrey D. et al.
		Sperm-Egg Interactions in the Mouse: Sequence of Events and Induction of the Acrosome Reaction by a Zone Pellucida Glycoprotein. Developmental Biology 95.317-324 (1988)
L/C	A3	Bleil, Jeffrey D. et al.
		Identification of a Secondary Sperm Receptor in the Mouse Egg Zona Pellucida: Role in Maintenance of Binding of Acrosome-Reacted Sperm to Eggs. Developmental Biology 128.376-385 (1988)
L/C	A4	Clark, Gary F. et al.
		New Concepts in Human Sperm-Zona Pellucida Interaction. Human Reproduction Volume 10 Supplement 1 (1995)

*L/C*

	A5	Duin, Marcel Van et al.
		Cloning and Characterization of the Human Sperm Receptor Ligand ZP3: Evidence for a Second Polymorphic Allele with a Different Frequency in the Caucasian and Japanese Populations. Genomics 14, 1064-1070 (1992)
	A6	Duin, Marcel Van et al.
		Recombinant Human Zona Pellucida Protein ZP3 Produced by Chinese Hamster Ovary Cells Induces the Human Sperm Acrosome Reaction and Promotes Sperm-Egg Fusion. Biology of Reproduction 51, 607-617 (1994)
	A7	Greve, Jeffrey M. et al.
		Biosynthesis of the Major Zone Pellucida Glycoprotein Secreted by Oocytes during Mammalian Oogenesis. Cell. Vol. 31.749-759 December (1982)
	A8	Gupta, S.K. et al.
		Immunoreactivity with Native Zona Pellucida of Antibodies against a 19 Amino Acid Synthetic Peptide Corresponding to Human ZP3. Journal of Reproductive Immunology 27:241-247, 1994)
	A9	Gupta, S.k. et al.
		Localization of Epitopes for Monoclonal Antibodies at the N-Terminus of the Porcine Zone Pellucida Glycoprotein pZPC. Molecular Reproduction and Development 42:220-225; (1995)
	A10	Harris, Jeffrey D. et al.
		Cloning and Characterization of Zona Pellucida Genes and cDNAs from a Variety of Mammalian Species: The ZPA, ZPB and ZPC Gene Families. The Journal of Sequencing and Mapping, Vol.4, pp. 361-393 (1994)
	A11	Kinloch, Roes A. et al.
		Embryonal Carcinoma Cells Transfected with ZP3 Genes Differentially Glycosylate Similar Polypeptides and Secrete Active Mouse Sperm Receptor. Rockefeller University Press, 0021-9525/91/11/655/10, (1991)
<i>L/C</i>	A12	Kipersztok, Simon et al.
		POM-ZP3, a Bipartite Transcript Derived from Human ZP3 and a POM121 Homologue. Genomics 25, 354-359 (1995)

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JUN 20 2002

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L/C O I P E 1 JUN 17 2002 P R O C E S S I N G & T R A N S M I S S I O N C O M M U N I C A T I O N	A13	Litscher, Eveline S. et al. Recombinant Hamster Sperm Receptors that Exhibit Species-Specific Binding to Sperm. Zygote 4 (August), pp229-236 (1996)
	A14	Liu, Chengyu et al. Zona Pellucida Glycoprotein mZP3 Bioactivity is not Dependent on the Extent of Glycosylation of its Polypeptide or on Sulfation and Sialylation of its Oligosaccharides. Journal of Cell Science 110.745-752 (1997)
	A15	Oehninger, Sergio et al. Use of a Specific Zona Pellucida (ZP) Protein 3 Antiserum as a Clinical Marker for Human ZP Integrity and Function. Fertility and Sterility Vol. 65 No. 1, January (1996)
L/C	A16	Vazquez, Monica H. et al. Interaction of Mouse Sperm with Purified Sperm Receptors Covalently Linked to Silica Beads. Journal of Cell Science 92, 713-722 (1989)
EXAMINER <i>Risa Cook</i>	DATE CONSIDERED	12/13/02

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